

ZANKER

Thermat K-ES 9001

Kondenswäschetrockner

Kondensor droogautomaat

Sèche-linge à condensation

Condense dryer

Gebrauchsanweisung 2-16

Gebruiksaanwijzing 17-34

Mode d'emploi 35-51

Operation instructions 52-66

Introducing your Tumble Dryer

This operating manual will help you to familiarize yourself quickly with your tumble dryer, so that you can take full advantage of all its possibilities and advantages.

Extremely high quality standards both during development and manufacture guarantee a long service life for your appliance.

Maximum economy in the operation of your dryer is achieved through very frugal electricity consumption and short drying times.

This tumble dryer will give your wash that soft, relaxed feel whatever the weather. It is equipped with a condensation arrangement: the moisture extracted from the wash is condensed and then collected in a water tank. The condensate can also be discharged directly through a special drain hose.

Your condensation-type tumble dryer releases warm air into the room in which it is installed. This is a valuable advantage during the cold season. A vented-type tumble dryer, on the other hand, draws in the warm room air and then discharges it through the waste air duct into the open (heat loss!).

Eight electronically controlled programs as well as a 60 minute time-controlled program are at your disposal for drying. In the "delicates" program, temperature-sensitive fabrics are dried at reduced heat output. The cooling phase at the end of the program and the subsequent crease protection phase prevent folds and creases.

Sensors in the drum ribs monitor the moisture content of the wash. When the preset degree of dryness has been reached, the program is terminated automatically.

Contents

Important notes/safety instructions	page 53
Energy saving tips	page 54
Description of the appliance	page 55
Technical data/dimensions	page 56
Installation	page 56
Electrical connection	page 57
Important instructions for drying	page 57
Before starting up for the first time	page 57
Preparing for drying	page 57
Holding capacity	page 58
Laundry item weights	page 58
Controls, indicator lamps, etc.	page 59
Operating/Use	page 60
Program view	page 62
Maintenance and care	page 64
Hints on rectifying minor faults	page 65
What to do in case of a fault	page 65
Special accessories	page 66

Important notes/safety instructions

Please keep this operating manual carefully with the appliance, so that you can consult it also in the future. Should you sell the appliance or pass it on to third parties, or leave it behind when moving house, please make sure that the appliance is passed on complete with the operating manual, so that the new owner can familiarize himself with the operation of the appliance and the relevant instructions.

The purpose of these notes is to prevent accidents and they should therefore be read carefully before installation or first use. Please observe also the separate installation- and connection instructions.

- This appliance is intended for use by adults. It is dangerous to allow children to use it or to play with it.
- It is dangerous to make changes to the appliance.
- All the work involved with the electrical connection of the appliance should be carried out by a qualified electrician.
- Make sure that the appliance is not standing on the connection lead.
- Do not overload the appliance (see "load capacity").
- Leave the door ajar when the machine is not in use, to maintain the flexibility of the door seal.
- During drying, the rear wall, the drum and the loading door will get hot. Do therefore not touch these parts. Keep children away from the appliance while it is in operation.
- Washing which has come into contact with chemicals such as spot remover, cleaning fluid or similar, must not be dried in the machine, since these chemicals might cause an explosion because of their volatility.
- The following must also not be dried in the machine:
 - feather-filled pillows, bolsters etc. (heat accumulation and danger of fire)
 - wool, because of the risk of felting
 - particularly delicate fabrics, such as synthetic curtains, silk etc., to avoid possible damage.
 - Items which contain foam rubber or rubber-like materials (risk of fire!).
- Always switch the appliance off after use.
- The lint trap must be cleaned each time after the appliance has been used.
- Never switch the machine on when the lint trap is damaged (risk of fire through lint).
- Clean the air condenser regularly, but at the latest when lint is adhering to it.
- It may happen that pets or children climb into the tumble dryer; therefore always look into the drum before you use the appliance.
- Never try to repair the dryer yourself. Repairs which have not been carried out by qualified mechanics may lead to serious accidents or machine faults. Contact your local after-sales service. Always insist on genuine spare parts.
- If you should one day take this appliance permanently out of operation, please first wreck the lock, and cut the electric lead and the plug off and throw them away at once. (Otherwise children might lock themselves in while playing, with the risk that they could suffocate or in some other way put their lives in danger.) Then arrange for the appliance to be disposed of in the proper manner.

Energy saving tips

Your tumble dryer will work particularly economically if you observe the following:

- **Spin dry the wash thoroughly** – in a washing machine with at least 800 rpm or in a separate spin dryer (1400 rpm, or better, 2800 rpm). The higher the spin speed, the shorter will be the drying time with a corresponding reduction in electricity consumption. If your washing machine spins at less than 800 rpm, you should seriously consider the purchase of a spin dryer.
- Short-spin easy care fabrics, e.g. shirts, blouses and other outerwear (with the short-spin provided on your washing machine, in the case of older washing machines and spin dryers by spin-drying for about 30-60 seconds).
- Avoid overdrying by careful program selection according to the required degree of dryness. Overdried items are also difficult to iron.
- Use the maximum load – as shown in the program overview. Small loads are **uneconomical!**
To utilize the maximum load, washing which is to be dried ready to put away can be dried together with washing to be ironed. To do this, select the program for iron-dry washing, remove the iron-dry items at the end of the program and then finish-dry the rest of the wash.
- If you clean the lint trap and the air condenser regularly, you will avoid unnecessarily long drying times and high electricity consumption.
- If you clean the lint trap and the air condenser regularly, you avoid excessive drying times and increased electricity consumption.
- Ventilate the room well. The room temperature should not exceed +35°C during drying.
- Ventilation slots at the front in the plinth must be clear, to ensure efficient and unimpeded air intake and warm air discharge.
- Electrical connection via a timer makes it possible to use the tumble dryer during off-peak periods. This is advantageous if you are using off-peak current in your household. **The timer must be rated for 16 amps!**

Description of the appliance

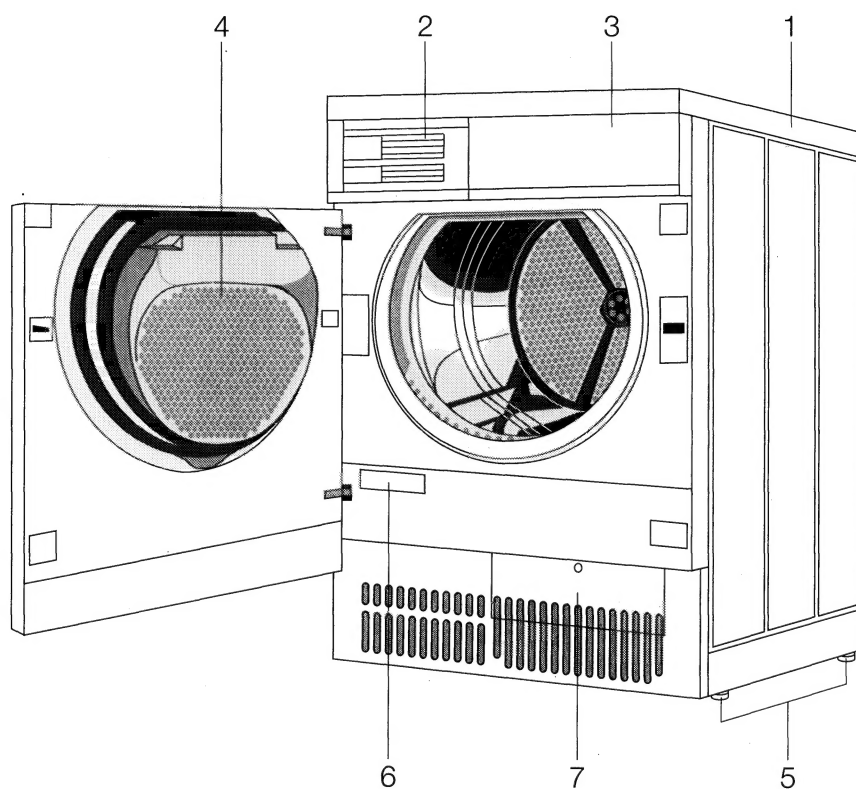


Fig. 1

- 1 Worktop
- 2 Water tank/Program view
- 3 Control panel
- 4 Lint trap
- 5 Levelling screws
- 6 Rating plate
- 7 Air condenser

Technical data/dimensions

Mains voltage	} see rating plate
Total connected load	
Fluse	
Wash load	max. 5 kg
Weight	49 kg

Dimensions:	With worktop:	Without worktop:
Height	850 mm	820 mm
– adjustment	+10 mm	+10 mm
Width	598 mm	598 mm
Depth	598 mm, multi-position top	
– Depth with door open:	1165 mm	

TR-7A-GB

Installation

This tumble dryer can be put into service without special preparations and installation work, but the notes below must be observed when the appliance is positioned and connected.

The tumble dryer can be installed on any level floor. **It must be level** (use a spirit level!) **Irregular or sloping floors can be compensated with the levelling screws. Do not remove the levelling screws.**

To ensure trouble-free operation, good and unimpeded air supply and warm air discharge through the ventilation slots in the front of the plinth must be ensured.

Do not reduce the floor clearance through deep-pile carpets, raised edges etc. This would lead to heat build-up which would interfere with the operation of the appliance.

Possibilities for built-in-under installation, fitting decorative trim, stacked washer/dryer installation, connection of a drain hose: see separate "Installation and connection instructions".

Electrical connection

You will find information on mains voltage, current type, and necessary fusing on the rating plate of your machine. The rating plate (see **fig. 1**) is located on the LH side above the machine plinth when the door is open. If your dryer is designed for changeover, the instructions given in the changeover diagram on the lid of the junction box on the back of the machine should be followed.

CE This appliance complies with the following EC Directives:

- 73/23/EEC of 19. 02. 1973 – Low-Voltage Directive
- 89/336/EEC of 03. 05. 1989 (including Amendment Directive 92/31/EEC) – EMV Directive.

The manufacturer cannot be held liable for damage arising from the non-observance of the safety regulations.

TR-9A-GB

Important instructions for drying

Before starting up for the first time

- It is advisable to load a few moist cloths into the dryer and to let it run for about 15 minutes. This ensures that no dust and dirt is left in the drum.

Preparing for drying

- Please check that the washing is suitable for tumble drying. Most fabric labels will contain a care instruction with the corresponding symbol.

Drying symbols and their meaning:



Normal drying (full heat output)
– e.g. for cotton



Gentle drying (reduced heat output)
– for easy-care fabrics, e.g. acrylic



Must not be dried in a tumble dryer
e.g. wool and textiles with wool content, silk.

- **The washing must be thoroughly spin dried before tumble drying. Spin speed of the automatic washing machine 800 rpm minimum, in the case of spin dryers ideally 2800 rpm.**

Easy-care items, too, e.g. shirts, should be briefly pre-spun before drying (depending on crease resistance approx. 30 seconds or using the special brief spin setting of your washing machine).

Overloading will interfere with correct drying and also causes severe creasing. Underloading is uneconomical.

Please note our safety instructions and economy tips.

- Bed linen and cushion covers should be buttoned up, so that small items cannot be trapped in them. Close zips, hooks and eyes, tie together loose belts, apron strings etc.

Important instructions for drying

- If individual items are still damp after drying, set a brief post-drying time, but **at least 20 minutes**. This will be necessary particularly for multilayered items (e.g. collars, pockets, etc.).
- Knitted textiles (knitted underwear) may shrink a little during drying. Please **do not** overdry items of this type.
It is advisable to allow for shrinkage when choosing the size of new purchases.
- You can also put starched items into your dryer. However, to achieve the desired starched effect, choose the program "iron dry" or "dry for machine pressing".
To remove any starch residues, wipe out the internal drum after drying with a moist cloth and then rub it dry.
- The amount of lint accumulated is **not** due to any stress on the fabrics in the dryer; these are fibres which have become detached during wear and in washing. When drying on a washing line, these fibres are carried away by the wind, whereas with the tumble dryer they are collected in the lint trap. The weight of the lint will give you an idea of how little their proportion is in comparison with the amount of dried washing.

- **For small laundry quantities you should select the time program.**

Holding capacity

Cotton	5 kg max.
Easy-care/delicate fabrics	2 kg max.

Laundry item weights

(items made of cotton)

Item	Weight in g:
Bath robe	1200
Quilt cover	700
Bed sheet.....	500
Blouse	100
Lady's overall	300
Lady's nightdress.....	200
Lady's panties.....	100
Bath towel.....	200
Tea towel	100
Man's overall.....	600
Man's shirt	200
Man's pyjamas	500
Man's vest	100
Man's briefs, short.....	100
Man's underpants, long.....	250
Pillow case.....	200
Table napkin.....	100
Handkerchief.....	20
Tablecloth.....	250

These weights are only given for guidance.

Controls, indicator lamps, etc.

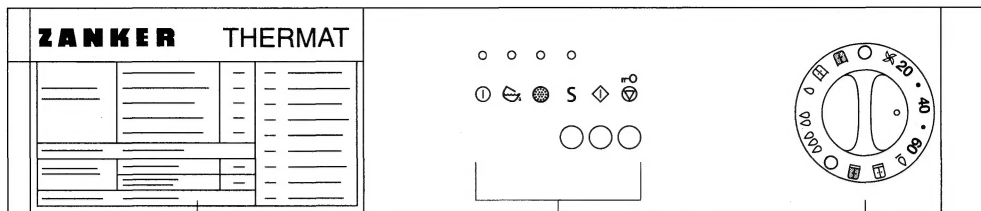


Fig. 2 Program view


Pushbuttons and
signal lamps

Program selector

Pushbuttons and signal lamps

On/Off (pilot lamp)

is alight when the appliance is switched on, goes out when the appliance is switched off.

 **Signal lamp condensate container**
lights up when the condensate container is full or not correctly positioned.

Lint screen signal lamp

reminds you to clean the lint trap at the end of the program.

S -button

Delicates button for easy-care, temperature-sensitive textiles (acrylics etc.). When this button is pressed drying takes place at reduced heat output. The program takes longer in this case.

Start button

With this button you start the selected program.

Reset/Door button

With this button you can cancel all additional functions selected before. By pressing this button you can open the door (the door springs open).

Program switch

The program switch has the following functions:

- Switching the appliance on or off; the pilot lamp comes on or goes off.
- Program selection clockwise (to the right) according to the program list.
- Switching the drum illumination on or off.

Operation/Use

Opening the door

Loading the washing

- Sort the wash and place loosely into the drum.

Closing the door

- Press the door shut and make sure that no items of washing are jammed in the door.

Selecting the program

- According to the program list.

Two program selection possibilities are available:

- The electronic program for cottons, easy-care and delicate fabrics.**
- The timer program for individual drying or finish drying of items or small quantities up to about 1 kg.**

Press the **S** button

when the washing is to be dried with reduced heat output.

Press the  **start button**
to start the appliance.

**Program changes are easily possible:
simply reset the program.**

Program sequence

The drum rotates clockwise and anticlockwise alternately. When the required dryness has been reached, the heater is switched off automatically and the washing cooled. After the crease protection phase follows (from now on you can unload the washing).

During this stage the washing is repeatedly re-layered and loosened up in the air stream to avoid creasing.

The duration of the anti-crease phase:
with the electronic program about 30 min.
with the timer program about 30 min.
While the program is running, you can open the door and put in more washing or remove some items. The program is continued by re-starting. (When the appliance is in the timer program mode, the preset drying time must be corrected if the program has been interrupted for a fairly long period.)

The program end automatically

The program switch stops immediately before the "O" position.

Remove the washing as soon as possible after washing, to prevent creasing.

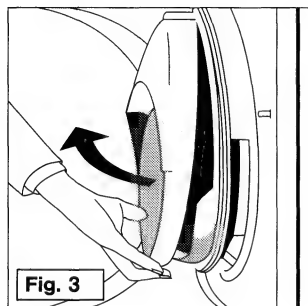
Switching the machine off

To do this, turn the program switch forward to "O"; the pilot lamp will then go out.

Operation/Use

Cleaning the lint trap (fig. 3)

It is essential to clean the lint trap situated on the inside of the door each time after a batch of washing has been dried. To do this, fold up the filter cover (coarse filter) and remove the fluff from the fine filter.



Removal of fluff will be made easier if you moisten your hand or use a damp cloth. After cleaning, fold down the coarse filter and re-engage it securely.

Emptying the condensate tank

this can also be done while the program is running.

The water extracted from the washing is condensed within the dryer and collected in the condensate container.







The condensate container must be emptied after each drying batch. When the container is full, the overflow safeguard responds and the signal lamp lights up; the program is automatically interrupted and the washing remains wet.

Hint:

The collected condensate can be used in your steam iron. To do this, filter the condensate (e.g. in a coffee filter).





Program view

Which program for which wash?

Type of wash Quantity of wash	Symbol/ Degree of dryness	Remarks:
Cotton max. 5 kg  Boiling wash and coloureds Bath robes, terry fabrics, but no knitwear	 Extra dry for multi-layer and thick laundry items a domestic ironing machine.	
Terry towels Knitwear Babywear	 Storage dry for similar items	
Bed linen Table linen Kitchen towels	 Slightly damp for washing which is only very lightly ironed.	
	 Ready for ironing for washing which is ironed by hand or with a flatwork ironer.	
	 Ready for machine pressing for washing which is pressed with a domestic ironing machine or a flatwork steam ironer.	

Program view

Which program for which wash?

Type of wash Quantity of wash	Symbol/ Degree of dryness	Remarks:
Easy-care max. 2 kg Washing in synthetic or mixed fabrics Outerwear Shirts Blouses Jumpers e.g. textiles Blankets made from acrylic	 Storage dry normal	
	 Storage dry temperature sensitive	
	 Storage dry for similar and thin items	
Timed drying for individual- or post-drying Boiling wash and colour-eds max. 5 kg	20 to 60 min	For temp.-sensitive  laundry, also press S button
Easy-care/delicates, 2 kg max.	20 to 40 min	

Please always note the manufacturer's instructions on the care labels.

Maintenance and care

For cleaning unplug the appliance!

- 1. Cleaning the dryer housing and drum** with soap-suds or with commercially available solvent-free (mild) household cleaner.

This also applies to cleaning of control panel and plastic and rubber parts.

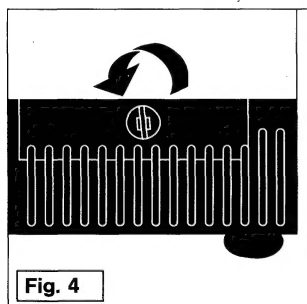
Should a coating appear on the drum after a prolonged period of use, this should be occasionally wiped away with vinegar.

- 2. Cleaning the air condenser** at regular intervals. At the latest, you should clean the air condenser when lint has collected on it.

The heat exchanger is located on the RH side in the machine plinth. To clean it, you must remove it from the plinth.

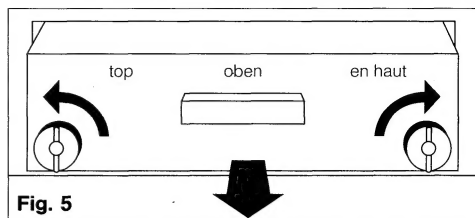
To do this, the following steps are necessary:

1. Open the machine door.
2. Open the plinth flap in front of the heat exchanger.



Turn the retaining lever on the flap to the left. The flap springs open.

3. Unbolt the heat exchanger.



Turn both retaining discs $\frac{1}{4}$ revolution in the direction of the arrow.

4. Take out the heat exchanger (possibly pulling hard on handle).

The heat exchanger can be cleaned e.g. by thorough flushing with a hand shower attachment or with a **soft** hand brush.

Never clean the heat exchanger by introducing **pointed objects or tools** into the ribs, since the heat exchanger may be made untight or deformed.

Also make sure that the drainage slots at the rear of the heat exchanger are free. The heat exchanger is re-inserted in the reverse sequence to removal. Make sure that the heat exchanger is properly inserted: **the "top – oben – en haut" marking must be above.**

Caution: The appliance must not be operated without a heat exchanger!

- 3. Cleaning the rubber seals of front-loading opening and air condenser** immediately after drying with damp cloth.

Hints on rectifying minor faults

Minor faults that you can rectify yourself:

The machine is not working

- Is the machine properly plugged in?
- Is the fuse in the fuse box in good working order?
- Is the door closed properly?
- Is the program properly set?
- Have you pressed the start button?
- Is the condensate container emptied or properly inserted? (if NOT, the "Condensate" indicator lamp shows).

The machine does not dry satisfactorily

- Has the correct program been set for the laundry to be dried?
- Has the correct time been set on the time program?

- Has the gentle program (S-button pressed) been selected for drying, although full heating should be used for drying?

In this case, the program duration is prolonged.

- Has the condensate container been emptied (if the container is full during operation, the program is interrupted)? – The signal lamp will come on. If the timed program has been interrupted, reset the time!

- When heavy lint deposits are present on the air condenser and/or the lint trap, or when the installation room is too warm, the appliance will run for too long and **consume more electricity.**

What to do in case of a fault

High quality and a design the requirements of modern technology ensure the trouble-free operation of your tumble dryer. Should a fault ever occur, however, please initially check that you have followed all the instructions and hints given in these Instructions for use. Only a minor fault may well be the cause of the malfunction.

If these instructions are of no help in locating a fault, our own well-equipped after-sales service is naturally available to take care of your machine.

Our after-sales service will charge you for any checks or elimination of defects even during the guarantee period.

When calling our after-sales service, always state your full address, telephone number with dialling code, and the order and F-No. of your machine.

The order and F-No. are given on the rating plate (see fig. 1).

These numbers enable the after-sales service to make precise identification on the required spare part so that your appliance can be repaired at the engineer's first visit. You will thus save yourself additional costs due to any possible repeated trips by the service engineer.

Special accessories

■ Washer/dryer stack

Stacking to form a space-saving washer/dryer combination is possible with all 60 cm wide front-loading fully automatic washing machines.

Assembly set
No. 916 110 905

■ Trim panel

To match the machine to your kitchen colour scheme, a trim panel can be fitted to the outer door. It is best to obtain this panel from the kitchen furniture supplier to ensure perfectly matching colours. The following dimensions must be exactly adhered to:

Height	585 mm
Width	585 mm
Panel thickness	1 to max. 4 mm
Panel corner radius	R12

Trim frame
white: No. 916 110 901

■ Built-in-under installation

The appliance can also be incorporated in fitted kitchens or built-in-under after removing the worktop. The cover panel can be ordered from the service centre.

Cover panel
No. 149 000 405

■ Connection of a drain hose

If a sink or similar outlet is available in the installation room, the condensed water can also be discharged **directly** through a drain hose.

The matching drain hose can be obtained under order no. 916 110 902 (do not use any other drain hose!).
